

**Open Session Minutes**  
**BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

**Open Session Tour**

The Buildings and Grounds Committee of the Board of Visitors of Virginia Polytechnic Institute and State University convened on Tuesday, August 27, 2024 at 2:00 p.m. in open session in the Lobby of the Inn at Virginia Tech and Skelton Conference Center in Blacksburg to depart for a tour of university facilities. A quorum of the Committee was present. Ms. Long presided as Committee Chair.

**Board members present:** Tish Long (Committee Chair), Nancy Dye, Bill Holtzman, Donald Horseley, Starlette Johnson, Ryan McCarthy, Jim Miller, J Pearson, John Rocovich, Jeanne Stosser, Janice Austin (A/P Faculty Representative), Rachel Miles (Faculty Representative) Leslie Orellana (Undergraduate Student Representative), and William Poland (Graduate and Professional Student Representative)

**University personnel and guests:** President Tim Sands, Noah Alderman, Laura Belmonte, Madison Brown, Marjorielee Christianson, Cyril Clarke, Daniel Comyn, Erin Conduff, Bobbi Conner, Ali Cross, Gregory Daniel, Kevin Davy, Jeff Earley, Alisha Ebert, Lee Friesland, Bryan Felts, Dan Givens, Anthony Graftsky, Peidad Henao Guerrero, Jake Hughes, Michael Hurt, Travis Jessee, Frances Keene, Rob Mann, Thomas Mundy, Sunshine Lahmers, Tanya LeRoith, Andrew Mann, Nathan Mitchell, Michael Nappier, Augusta O'Reilly, Kim O'Rourke, Rell Parker, Amy Sebring, Roberto Steele, Michael Stowe, Sandra Torget, John Tarter, Dwyn Taylor, Jon Clark Teglas, Renata Velloso Ramos, Edward Wilson, Chris Wise, Rebekah Woodyard

**1. Tour of University Facilities:** The Committee participated in a tour of university facilities.

- a. Virginia-Maryland College of Veterinary Medicine:** The Committee participated in a tour of the Virginia-Maryland College of Veterinary Medicine. Established in 1978, the Virginia-Maryland College of Veterinary Medicine is a leading biomedical teaching and research center. The college's locations include the main campus in Blacksburg; the Animal Cancer Care and Research Center in Roanoke; the Marion duPont Scott Equine Medical Center in Leesburg, and the Gudelsky Veterinary Center in College Park, Maryland. The existing Teaching Hospital is a full-service veterinary facility providing primary and specialized care for both small and large animals on the main campus in Blacksburg. The hospital focuses on teaching and provides a hands-on learning experience where students, residents, and interns work closely with faculty and staff. However, the current facility was constructed nearly forty years ago, and the small animal

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

patient care and teaching facilities are no longer capable of meeting the current space demands of the school's academic program. The Campus Master Plan and the Six-Year Capital Outlay Plan include the renovation and expansion to the College of Veterinary Medicine's (CVM) Teaching Hospital. This project has been a high priority for CVM and its teaching and research mission including its operational and fundraising efforts for multiple years. The renovation and expansion will provide new exam rooms, surgery rooms, and service modules, community practice space as well as ICU, Intermediate Care Suite, physical therapy and pharmacy stores and the necessary support spaces. The project scope is envisioned as the renovation of approximately 25,000 gross square feet (GSF) as well as an addition of approximately 32,000 GSF for a combined total of 57,000 GSF of updated, modern space for the CVM Teaching Hospital's academic program.

- b. War Memorial Hall:** The Committee participated in a tour of War Memorial Hall. The recent War Memorial Hall renovation helps strengthen Virginia Tech's commitment to supporting student well-being through enhanced student health, wellness, counseling, and recreational sport resources and programs. The renovation included improvements to classrooms, faculty offices, and research labs. War Memorial Hall houses Recreational Sports, faculty offices, research offices, and labs that bring together health science with hands-on application of exercise, health, and well-being. War Memorial Hall renovations also included new, refreshed, and expanded exercise and activity spaces; dedicated functional fitness space; mind and body studio; dance studio; wet classroom for aquatic and safety instruction; building system upgrades (including air conditioning); modernized general assignment classrooms; student gathering spaces; and administrative offices. Newly modernized locker rooms and bathrooms will include family changing rooms and all-gender spaces.

The tour concluded and the Committee returned to the Inn at 3:52 p.m.

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### **Open Session Meeting**

The Buildings and Grounds Committee of the Board of Visitors of Virginia Polytechnic Institute and State University met in open session on Tuesday, August 27, 2024 at 4:06 p.m. in Latham Ballroom A/B of the Inn at Virginia Tech and Skelton Conference Center in Blacksburg. A quorum of the Committee was present. Ms. Long presided as chair of the Committee.

**Board members present:** Dave Calhoun (Vice Rector), Tish Long (Committee Chair), Nancy Dye, Bill Holtzman, Donald Horseley, Starlette Johnson, Ryan McCarthy, Jim Miller, J Pearson, John Rocovich, Jeanne Stosser, Janice Austin (A/P Faculty Representative), Rachel Miles (Faculty Representative) Leslie Orellana (Undergraduate

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

Student Representative), and William Poland (Graduate and Professional Student Representative). Sandy Davis attended this meeting remotely.

**University personnel and guests:** President Tim Sands, Simon Allen, Brock Burroughs, Cyril Clarke, Al Cooper, Corey Earles, Jeff Earley, Alisha Ebert, Ron Fricker, Rachel Gabriele, Mark Gess, Emily Gibson, Dan Givens, Kay Heidbreder, Elizabeth Hooper, Frances Keene, Sharon Kurek, Travis Jessee, Rob Mann, Nancy Meacham, Mike Mulhare, Kim O'Rourke, Mark Owczarski, Sharon Pitt, Amy Sebring, Brennan Shepard, Ken Smith, John Tarter, Dwyn Taylor, Jon Clark Teglas, Chris Wise, Rob Viers, Michael Stowe, Eric Brooks, Lee Friesland, Paul Richter, Cliff Gaines

**2. Welcome and Introductions:** Ms. Long, Committee Chair, convened the meeting and provided welcoming remarks.

**3. Consent Agenda:** The Committee accepted the consent agenda as presented and approved the items it contained.

- a. **Minutes from the June 2024 Committee Meeting:** The Committee approved the minutes from its June 2024 meeting.
- \* b. **Resolution to Approve Revisions to the Approval Process for Construction Manager at Risk and Design-Build Capital Project Delivery Methods:** The Committee reviewed for approval a resolution to revise the approval process for Construction Manager at Risk and Design-Build Capital Project Delivery Methods. Pursuant to the Restructuring Act and in accordance with Chapter 780 (2016) Item 4-4.01 #1c and *Code of Virginia* §2.2-4378, 2.2-4379, 2.2-4381 and 2.2-4383; the current applicable Virginia Tech Construction and Professional Services Manual; the current applicable Construction Management Procedures as adopted by the Secretary of Administration; and the current applicable Design-Build Procedures as adopted by the Secretary of Administration, the proposed university process is to be revised and adopted in response to the passage of Senate Bill 18 for use of these methods.

The Committee recommended the resolution to the full Board for approval.

**4. Update from the Chief Operating Officer:** The Committee received an update from Amy Sebring, Executive Vice President and Chief Operating Officer, on several topics. Ms. Sebring shared that the Virginia Tech Police Department was recognized for their campus safety and professional police practices by earning reaccreditation by the International Association of Campus Law Enforcement Administrators. Other topics included the ongoing work to integrate the Virginia Tech Services, Inc. related corporation into the university's portfolio of campus auxiliary services; updates to policy and guidelines governing the appropriate use of university facilities, grounds, and infrastructure; and preparations for the next state budget cycle and 2025 General Assembly Session. Lastly, the committee

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# Discusses Enterprise Risk Management Topic(s)

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received an update on several initiatives currently underway within University Operations including: the Division of Human Resources' Job Architecture efforts, the transition of operations from the Falls Church facility to the Innovation Campus, the Division of Information Technology's efforts on the ERP modernization project and IT Governance process, as well as the efforts of the Divisions of Facilities and Auxiliary and Business Services to bring several new and renovated facilities and services online in time to welcome students back to campus for the start of the fall semester.

- # +
- 5. Overview of the University's Physical Assets and Investment Approach:** The Committee received an overview of the university's physical assets and investment approach from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. Mr. Taylor detailed the university's facilities management framework, the Facilities Division's organizational structure, and a foundational leadership philosophy focused on the concepts of care and service. Virginia Tech is committed to providing a safe, inclusive, accessible, sustainable, mission-centric, partner-focused, and cost-effective infrastructure that preserves, fosters, complements, and advances the university's distinct senses of place and service. Extensive land holdings, effectively maintained and growing facilities, and a modern inventory of equipment and systems provide a sound foundation for current programs and future initiatives.
- # +
- 6. Overview of the Capital Construction Program:** The Committee received an overview of the university's capital construction program from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. The Facilities Division provides leadership in the administration and management of all major capital outlay projects, which are defined as projects with a total project cost of \$3 million or more inclusive of all expenditures necessary to complete the project, and/or projects involving the construction of 5,000 square feet or more. Project managers work closely with sponsoring colleges and departments, future building users, and other project stakeholders to achieve project goals. Following project authorization by the Board of Visitors, project managers coordinate all phases of a project from initiation through completion and close-out.
- # +
- 7. Acceptance of the Capital Project Status Report:** The Committee accepted the quarterly capital project status report from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. The current active portfolio of projects includes 19 authorized projects – active and complete (within a 1-year warranty phase) – with a total value of approximately \$1 billion, adds approximately 1.2 million gross square feet of new construction, and renovates nearly 273,000 gross square feet of existing space. Reports in November 2024, March 2025, and June 2025 will be included on the Committee's consent agenda.
- 8. Future Agenda Items and Closing Remarks:** The Committee discussed potential topics for inclusion on future meeting agendas.

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

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There being no further business, the meeting adjourned at 5:04 p.m.

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### **Joint Open Session with the Finance and Resource Management Committee**

The Buildings and Grounds Committee and the Finance and Resource Management Committee of the Board of Visitors of Virginia Polytechnic Institute and State University convened on Wednesday, August 28, 2024 at 11:00 a.m. in joint open session in Latham Ballroom A/B of the Inn at Virginia Tech and Skelton Conference Center in Blacksburg. A quorum of the joint Committee was present.

**Board members present:** Janice Austin – Administrative and Professional Faculty Representative, LaTawnya Burleson – Staff Representative, David Calhoun, Nancy Dye, William Holtzman, Donald Horsley, Anna James, Starlette Johnson, Rachel Miles (Faculty Representative), Ryan McCarthy, Jim Miller, Leslie Orellana (Undergraduate Student Representative), J. Pearson, William Poland (Graduate and Professional Student Representative), John Rocovich, Jeanne Stosser. Sandy Davis attended this meeting remotely.

**University personnel and guests present:** Simon Allen, Callan Bartel, Lynsay Belshe, Eric Brookes, Al Cooper, Debbie Day, Corey Earles, Jeff Earley, Alisha Ebert, Juan Espinoza, Rachel Gabriele, Bryan Garey, Mark Gess, M. Daniel Givens, Martha Glass, Suzanne Gooding, Rebecca Gunn, Rebecca Halsey, Kay Heidbreder, Tim Hodge, Anne Keeler, Frances Keene, Paul Knox, Sharon Kurek, Rob Mann, Elizabeth McClanahan, Nancy Meacham, Mike Mulhare, Kim O'Rourke, Eric Paterson, Charlie Phlegar, Sharon Pitt, Paul Richter, Lisa Rowan, Tim Sands, Amy Sebring, Brennan Shepard, Ken Smith, Dan Sui, Aimée Surprenant, John Tarter, Monecia Taylor, Jon Clark Teglas, Prescott Vayda, Rob Viers, Mike Walsh, Melinda West, Lisa Wilkes, Payton Williams – The Roanoke Times

1. **Update on Expanding the Research Vivarium Space Project:** The Committees received an update on expanding necessary research space through a Research Vivarium project. The university plans to partner with the Virginia Tech Foundation and the Corporate Research Center (CRC) to design and construct a new Research Vivarium. This project, located at the CRC, includes 68,000 gross square feet of research vivarium, laboratories, faculty and staff offices, and other support spaces. The \$45 million budget is to be funded with Nongeneral funds serviced by university overhead.
2. **Approval of Resolution for a Capital Planning Project for the College on Veterinary Medicine Teaching Hospital Renovation and Expansion:** The Committees reviewed for approval a resolution to plan the Veterinary Teaching Hospital renovation and expansion capital project. This is a \$4.3 million planning authorization to complete designs through working drawings for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion project.

The Committees recommended the Resolution for a Capital Planning Project for the College on Veterinary Medicine Teaching Hospital Renovation and Expansion to the full Board for approval.

There being no further business, the meeting adjourned at 11:09 a.m.

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## Open Session Agenda

### BUILDINGS AND GROUNDS COMMITTEE

**Tuesday, August 27, 2024**

*Tour departs at 2:00 p.m. from the Lobby of the Inn at Virginia Tech and Skelton Conference Center.*

#### **Agenda Item**

#### **Reporting Responsibility**

1. Tour of University Facilities
  - a. Virginia-Maryland College of Veterinary Medicine
  - b. War Memorial Hall

Dwyn Taylor

*Open session meeting begins at 3:30 p.m.*

*in Latham Ballroom A/B of the Inn at Virginia Tech and Skelton Conference Center.*

#### **Agenda Item**

#### **Reporting Responsibility**

2. Welcome and Introductions

Committee Chair

Dwyn Taylor

3. Consent Agenda

Committee Chair

Dwyn Taylor

- a. Minutes from the June 2024 Committee Meeting
  - \* b. Resolution to Approve Revisions to the Approval Process for Construction Manager at Risk and Design-Build Capital Project Delivery Methods

4. Update from the Chief Operating Officer

Amy Sebring

- # + 5. Overview of the University's Physical Assets and Facilities Management Approach

Dwyn Taylor

- # + 6. Overview of the Capital Construction Program

Dwyn Taylor

- # + 7. Acceptance of the Capital Project Status Report

Dwyn Taylor

8. Future Agenda Items and Closing Remarks

Committee Chair

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

**Open Joint Session Agenda**

**FINANCE AND RESOURCE MANAGEMENT COMMITTEE  
AND BUILDINGS AND GROUNDS COMMITTEE**

**Latham Ballroom A/B, the Inn at Virginia Tech**

**11:00 a.m.**

**August 28, 2024**

<u>Agenda Item</u>	<u>Reporting Responsibility</u>
1. Update on Expanding the Research Vivarium Space Project	Simon Allen Dwyn Taylor Rob Mann
* 2. Approval of Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion	Simon Allen Dwyn Taylor Rob Mann

\* Requires full Board approval

# Discusses Enterprise Risk Management topic(s)

+ Discusses Strategic Investment Priorities topic(s)

**Tour of College of Veterinary Medicine**  
**BUILDINGS AND GROUNDS COMMITTEE**  
**Tuesday, August 27, 2024**

**Project Summary**

Established in 1978, Virginia-Maryland College of Veterinary Medicine is a leading biomedical teaching and research center. The college's locations include the main campus in Blacksburg, Virginia; the Animal Cancer Care and Research Center in Roanoke, Virginia; the Marion duPont Scott Equine Medical Center in Leesburg, Virginia, and the Gudelsky Veterinary Center in College Park, Maryland.

The existing Teaching Hospital is a full-service veterinary facility providing primary and specialized care for both small and large animals on the main campus in Blacksburg. The hospital focuses on teaching and provides a hands-on learning experience where students, residents and interns work closely with CVM faculty and staff. However, the current facility was constructed nearly forty years ago, and the small animal patient care and teaching facilities are no longer capable of meeting the current space demands of the school's growing academic program. The Campus Master Plan and the Six-Year Capital Outlay Plan include the renovation and expansion to the College of Veterinary Medicine's (CVM) Teaching Hospital. This project has been a high priority for CVM and its teaching and research mission including its operational and fundraising efforts for multiple years.

The renovation and expansion will provide new exam rooms, surgery rooms, and service modules, community practice space as well as ICU, Intermediate Care Suite, physical therapy and pharmacy stores and the necessary support spaces. The project scope is envisioned as the renovation of approximately 25,000 gross square feet (GSF) as well as an addition of approximately 32,000 GSF for a combined total of 57,000 GSF of updated, modern space for the CVM Teaching Hospital's academic program. The university is currently seeking a planning authorization for the project to complete working drawings for the project.

**Timeline (Construction Start/Target Completion)**

- TBD

**Delivery Method**

- TBD

**Gross Square Feet**

- TBD

**Current Phase**

- Planning Authorization Recommended

**Architect/Engineer**

- TBD

**Contractor**

- TBD

## **Tour of War Memorial Hall**

### **BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

#### **Project Summary**

The War Memorial Hall renovation helps strengthen Virginia Tech's commitment to supporting student well-being through enhanced student health, wellness, counseling, and recreational sport resources and programs. The renovation includes improvements to classrooms, faculty offices, and research labs. War Memorial Hall houses Recreational Sports, faculty offices, research offices and labs that bring together health science with hands-on application of exercise, health, and well-being.

War Memorial Hall renovations include new, refreshed, and expanded exercise and activity spaces; dedicated functional fitness space; mind and body studio; dance studio; wet classroom for aquatic and safety instruction; building system upgrades, including air conditioning; modernized general assignment classrooms; student gathering spaces; and administrative offices. Newly modernized locker rooms and bathrooms will include family changing rooms and all-gender spaces.

#### **Additional Design Features and Elements**

- Improved accessibility
- New air handlers
- New hardwood gym floors

#### **Timeline (Construction Start/Target Completion)**

- Fall 2022/Summer 2024

#### **Delivery Method**

- CM-at-Risk

#### **Gross Square Feet**

- 204,000

#### **Current Phase**

- Close-Out

#### **Architect/Engineer**

- [Cannon Design](#)

#### **Contractor**

- [Whiting-Turner](#)



**Consent Agenda**  
**BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

The Committee will consider for approval and acceptance the items listed on the Consent Agenda.

Consent Agenda

- a. Minutes from the June 2024 Committee Meeting
- \* b. Resolution to Approve Revisions to the Approval Process for Construction Manager at Risk and Design-Build Capital Project Delivery Methods

**\* Requires full Board approval.**

## Open Session Minutes

### BUILDINGS AND GROUNDS COMMITTEE

Monday, June 10, 2024

#### Open Session Tour

The Buildings and Grounds Committee of the Board of Visitors of Virginia Polytechnic Institute and State University convened on Monday, June 10, 2024 at 3:30 p.m. in open session at the New Classroom Building to depart for a tour. A quorum of the Committee was present. Chair Harris presided.

**Board members present:** Ed Baine (Rector), Greta Harris (Committee Chair), Carrie Chenery, Sandy Cupp Davis, Nancy Dye, Brad Hobbs, Bill Holtzman, Donald Horsley, Chris Petersen, Janice Austin (A/P Faculty Representative), Will Storey (Undergraduate Student Representative), and Emily Tirrell (Graduate Student Representative)

**University personnel and guests:** President Tim Sands, Noah Alderman, Lynsay Belshe, Cassidy Blackmore, Leanne Bokinskie, Bob Broyden, Brock Burroughs, Chris Carwile, Cyril Clarke, Lance Collins, Joe Cooley, Carrie Cox, Jeff Earley, Alisha Ebert, Katrina Estep, Ron Fricker, Mark Gess, Brian Grove, Frances Keene, Brian Kleiner, Christophe Larroque, Liza Morris, Ed Nelson, Kelly Oaks, Rob Ogle, Leslie Orellana, Kim O'Rourke, Jeff Orzolek, Charlie Phlegar, William Poland, Nick Quint, Julia Ross, Amy Sebring, Todd Shelton, Brennan Shepard, Jill Sible, John Tarter, Don Taylor, Dwyn Taylor, Jon Clark Teglas, Teresa Thompson, Anthony Watson, Chris Yianilos, and Victor Zimbardi

1. **Tour of North Academic District Construction Sites:** The Committee toured campus construction sites in the North Academic District.
  - a. **Undergraduate Science Laboratory Building:** The Undergraduate Science Laboratory consists of approximately 102,400 gross square feet of new construction at the intersection of West Campus Drive and Perry Street. The purpose of the facility is to provide adequate laboratory and classroom space to accommodate student interest and demand for science laboratory courses. The new facility also complements the adjacent Classroom Building completed in 2016. First included on the 2014-2020 Capital Outlay Plan, this \$90.4 million project is funded entirely by state resources.
  - b. **Life, Health, Safety, Accessibility, and Code Compliance:** Ensuring the safety, health, and accessibility of the campus environment is critical to the long-term success of the university and its service to the commonwealth. Three high-priority accessibility initiatives were identified by the university in the Life, Health, Safety, Accessibility, and Code Compliance category of the 2018-2024 Capital Outlay Plan. The university received total project

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

funding of \$10.4 million in Life, Health, Safety, Accessibility, and Code Compliance funds from the state for three priority projects.

- c. **Transit Center:** The Town of Blacksburg and the university entered a memorandum of understanding in 2012 and 2014 so that the town could develop the center to improve transit operations. The Town received grant funding from the Federal Transit Administration for the project and will operate the center through its department, Blacksburg Transit. The Transit Center is comprised of a new building, bus shelters, bus loop configurations to the east, west, and southwest, and will feature sustainable elements. The associated bus loops in the North Academic District of campus are aimed at improving the transit and alternate transportation services and safety of those services to Virginia Tech students, faculty, staff, and community. The center will centralize transit transfers and serve multiple modes of alternative transportation. The Transit Center is strategically located along the Infinite Loop and will provide administrative space for transit operations, multi-use meeting space, and information services.
- d. **Hitt Hall:** Located in the North Academic District, the site is off West Campus Drive in an area bounded by Perry Street to the north, Derring Hall to the south, Bishop-Favrao Hall to the east, and the Classroom Building to the northwest. The approximately 100,000 gross square feet, three-story facility is organized in two wings around a central circulation link and collaboration space. Hitt Hall will provide an expansion of the Myers-Lawson School of Construction, add critical dining capacity, and include general assignment academic spaces in a new combined program facility for Virginia Tech. The \$85 million project is split funded with \$25 million in gifts, \$13 million in internal lease funding, and \$47 million in auxiliaries funding. This project was first proposed as part of the 2018-2024 Capital Outlay Plan.

The tour concluded at 5:15 p.m.

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**Tuesday, June 11, 2024**

### **Open Session Meeting**

The Buildings and Grounds Committee of the Board of Visitors of Virginia Polytechnic Institute and State University convened on Tuesday, June 11, 2024 at 10:00 a.m. in open session in Classroom Building, Room 230. A quorum of the Committee was present. Chair Harris presided.

**Board members present:** Greta Harris (Committee Chair), Carrie Chenery, Sandy Cupp Davis, Bill Holtzman, and John Rocovich

**University personnel and guests:** President Tim Sands, Simon Allen, Nick Bahnkem, Lynsay Belshe, Leanne Bokinskie, Bob Broyden, Brock Burroughs, Joe Cooley, Jeff Earley, Alisha Ebert, Mark Gess, Dan Givens, Alan Grant, Robert Jackson, Chris Kiel, Lu Liu, Rachel Miles, Liza Morris, Nam Nguyen, Kelly Oaks, Saonee Sarker, Brennan Shepard, Ken Smith, Dan Sui, Dwyn Taylor, Jon Clark Teglas, Anthony Watson, and Lisa Wilkes

**2. Welcome and Introductions:** The Committee Chair convened the meeting and provided welcoming remarks.

**3. Consent Agenda:** The Committee approved the items listed on the Consent Agenda.

**a. Minutes from the April 2024 Committee Meeting:** The Committee approved the minutes from its April 2024 meeting.

\* **b. Resolution to Approve an Appointment to the Blacksburg-Virginia Polytechnic Institute Sanitation Authority:** The Committee approved an appointment to the Blacksburg-Virginia Polytechnic Institute Sanitation Authority. The university is requesting approval to appoint Dwyn Taylor, Vice President for Campus Planning, Infrastructure, and Facilities, as the Virginia Tech representative and member on the Blacksburg-Virginia Polytechnic Institute Sanitation Authority Board of Directors.

The Committee recommended the resolution to the full Board for approval.

\* **c. Resolution to Approve an Appointment to the Montgomery Regional Solid Waste Authority:** The Committee approved an appointment to the Montgomery Regional Solid Waste Authority. The university is requesting approval to appoint Dwyn Taylor, Vice President for Campus Planning, Infrastructure, and Facilities, as the Virginia Tech representative and member on the Montgomery Regional Solid Waste Authority Board of Directors.

The Committee recommended the resolution to the full Board for approval.

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

- \* **d. Resolution to Approve an Appointment to the New River Valley Regional Water Authority:** The Committee approved an appointment to the New River Valley Regional Water Authority. The university is requesting approval to appoint Dwyn Taylor, Vice President for Campus Planning, Infrastructure, and Facilities, as the Virginia Tech representative and member on the New River Valley Regional Water Authority Board of Directors.

The Committee recommended the resolution to the full Board for approval.

- \* **e. Resolution to Approve the Demolition of University Buildings No. 0438 and No. 0440A:** The Committee approved an authorization to demolish university buildings no. 0438 and no. 0440A. The university requests approval to demolish buildings no. 0438 (Poultry Isolation Building) and No. 0440A (Cinder Block Chicken House) located at the Vet Med Research Center on Prices Fork Road, in Blacksburg, Montgomery County, Virginia. Constructed in 1955, these two buildings were formerly used for poultry teaching and research programs. The buildings have fallen into disrepair and are beyond their useful life. The university desires to demolish the structures prior to further deterioration. The university will obtain review from the Department of Historic Resources and the Art and Architecture Review Board, and any required approvals prior to the demolition of these structures.

The Committee recommended the resolution to the full Board for approval.

- f. Acceptance of the Quarterly Capital Project Status Report:** The Committee accepted the quarterly capital project status report. The current active portfolio of projects includes 16 authorized projects -- active and complete (within a 1-year warranty phase), has a total value of approximately \$1.1 billion, adds approximately 1.3 million gross square feet of new construction, and renovates nearly 255,000 gross square feet of existing space.
- 4. Design Preview for the New Business Building:** The Committee approved the design preview for the New Business Building. The Pamplin College of Business is nationally recognized for its business programs and is integral to Virginia Tech's delivery of instruction and research programming in support of the commonwealth. The New Business Building project will provide a consolidated location for the college, allowing the college to amplify program impact, as well as couple with the Data and Decision Sciences building to complete the academic facilities of the Global Business and Analytics Complex (GBAC). Once complete, GBAC will be a transformative academic and physical addition to the North Academic District. The prominent site, on the corner of Prices Fork Road and West Campus Drive, presents the university a valuable opportunity to create a new campus gateway at

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# Discusses Enterprise Risk Management Topic(s)

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this previously undeveloped primary intersection. The project is in preliminary design with working drawings anticipated to start in early 2025 and construction substantial completion anticipated for fall 2027. The project planning authorization, approved at the April 4, 2022 Board of Visitors meeting, includes \$8 million of private gifts. The total project cost will be supported by a combination of private gifts, non-general fund cash, and university non-general fund debt.

5. **Design Preview and Review for the Life, Health, Safety, Accessibility, and Code Compliance – Priority 3:** The Committee approved the joint design preview and review for the Life, Health, Safety, Accessibility, and Code Compliance – Priority 3 project. Ensuring the safety, health, and accessibility of the campus environment is critical to the long-term success of the university and its service to the commonwealth. This project is the third of three high-priority accessibility initiatives identified by the university in the Life, Health, Safety, Accessibility, and Code Compliance category of the 2018-2024 Capital Outlay Plan. The project is scoped to create a new accessible route on an existing primary pedestrian corridor to support equal access to key Education and General funded facilities in the North Academic District. The project is in the working drawings phase with construction anticipated to begin late fall of 2024 and to attain substantial completion summer of 2025. The university received total project funding of \$10.4 million in Life, Health, Safety, Accessibility, and Code Compliance funds from the state for three priority projects, \$1.86 million of which will be applied to this third priority project.
6. **Discussion of Physical Accessibility Process and Progress:** The Committee participated in a discussion of physical accessibility process and progress with Bob Broyden, Interim Vice President for Campus Planning, Infrastructure, and Facilities, and Kelly Oaks, Associate Vice President for Equity and Accessibility. The discussion focused on physical accessibility in context, the ‘community of practice’ process, prioritization, funding options, integration within facilities planning, and recent progress. Over the last two years, the university has completed 20 physical accessibility projects totaling \$5.3 million. Another 13 projects, valued at \$22.7 million, are funded and underway.
7. **Annual Report of the University Building Official:** The Committee received the annual report from the University Building Official, Chris Kiel. The University Building Official has primary responsibility for the proper management for, and enforcement of, the Virginia Uniform Statewide Building Code (VUSBC) to ensure that construction projects conducted on property owned by the university are completed in compliance with the code, related laws, and regulations. The office serves as primary liaison with outside regulatory agencies on code issues that affect the design, construction, and approval to occupy new university facilities or maintain existing facilities. The office was established in July 2010 after the Restructured Higher Education Financial and Administrative Operations Act of 2005 and the Management Agreement with the Commonwealth of Virginia granted the university the authority to designate its own building official. Organizationally,

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)



the University Building Official reports to the Board of Visitors through the Buildings and Grounds Committee.

- 8. Update on the Utilities Master Plan:** The Committee received an update on the Utilities Master Plan from Nam Nguyen, Executive Director of Energy and Utilities. In 2018, Virginia Tech completed its most recent master planning effort resulting in 'Beyond Boundaries 2047: The Campus Plan. In 2020, Virginia Tech revised its Climate Action Commitment, setting sustainability goals and milestones thru 2050. The Utilities Master Plan will provide a comprehensive framework to ensure that future programmatic needs are met and that the university remains a leader in the field of higher education infrastructure. The project is underway and expected to be completed in late 2024.
- 9. Future Agenda Items and Closing Remarks:** The Committee recognized two retiring administrators. Alan Grant will retire after 15 years in his role as Dean of the College of Agriculture and Life Sciences. Bob Broyden, Interim Vice President for Campus Planning, Infrastructure, and Facilities will retire after over 30 years serving his alma mater. Chair Harris closed the meeting by providing brief comments of reflection and points of progress regarding her time on the Board and the Committee.

The meeting adjourned at 11:34 a.m.

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## Open Session Agenda

### BUILDINGS AND GROUNDS COMMITTEE

**Monday, June 10, 2024**

*Tour departs at 3:30 p.m. from the Classroom Building.*

<b><u>Agenda Item</u></b>	<b><u>Reporting Responsibility</u></b>
1. Tour of North Academic District Construction Sites	Bob Broyden Dwyn Taylor
a. Undergraduate Science Laboratory Building	
b. Life, Health, Safety, Accessibility, and Code Compliance	
c. Transit Center	
d. Hitt Hall	

**Tuesday, June 11, 2024**

*Open session meeting begins at 10:00 a.m. in the Classroom Building, Room 230.*

<b><u>Agenda Item</u></b>	<b><u>Reporting Responsibility</u></b>
2. Welcome and Introductions	Greta Harris
3. Consent Agenda	Greta Harris Bob Broyden
a. Minutes from the April 2024 Committee Meeting	
* b. Resolution to Approve an Appointment to the Blacksburg-Virginia Polytechnic Institute Sanitation Authority	
* c. Resolution to Approve an Appointment to the Montgomery Regional Solid Waste Authority	
* d. Resolution to Approve an Appointment to the New River Valley Regional Water Authority	
* e. Resolution to Approve the Demolition of University Buildings No. 0438 and No. 0440A	
f. Acceptance of the Quarterly Capital Project Status Report	
4. Design Preview for the New Business Building	Liza Morris
5. Design Preview and Review for Life, Health, Safety, Accessibility, and Code Compliance – Priority 3	Liza Morris
6. Discussion of Physical Accessibility Process and Progress	Bob Broyden Kelly Oaks
7. Annual Report of the University Building Official	Chris Kiel
8. Update on the Utilities Master Plan	Nam Nguyen
9. Future Agenda Items and Closing Remarks	Greta Harris

\* Requires Full Board Approval

# Discusses Enterprise Risk Management Topic(s)

+ Discusses Strategic Investment Priorities Topic(s)

# UPDATE FROM THE CHIEF OPERATING OFFICER

AMY SEBRING  
EXECUTIVE VICE PRESIDENT AND CHIEF OPERATING OFFICER

AUGUST 27, 2024

## **Overview of the University's Physical Assets and Investment Approach**

### **BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

The Committee will receive an overview of the university's physical assets and investment approach from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. Virginia Tech is committed to providing a safe, inclusive, accessible, sustainable, mission-centric, partner-focused, and cost-effective infrastructure that preserves, fosters, complements, and advances the university's distinct senses of place and service. Extensive land holdings, effectively maintained and growing facilities, and a modern inventory of equipment and systems provide a sound foundation for current programs and future initiatives.

# OVERVIEW OF THE **UNIVERSITY'S PHYSICAL ASSETS AND FACILITIES MANAGEMENT APPROACH**

DWYN TAYLOR

VICE PRESIDENT FOR FACILITIES AND CHIEF FACILITIES OFFICER

**August 27, 2024**

# ASSET OVERVIEW

## ACRES

15,684

## BUILDINGS

1,069 Structures  
----  
15,000,000 GSF

## SIDEWALKS & PATHWAYS

54 Miles

## UTILITY INFRASTRUCTURE

15 Miles





# MANAGEMENT FRAMEWORK



## STRATEGIC DRIVERS

- University Strategic Plan
- Campus Master Plan
- 6-Year Capital Plan
- Climate Action Commitment



## OPERATIONAL DRIVERS

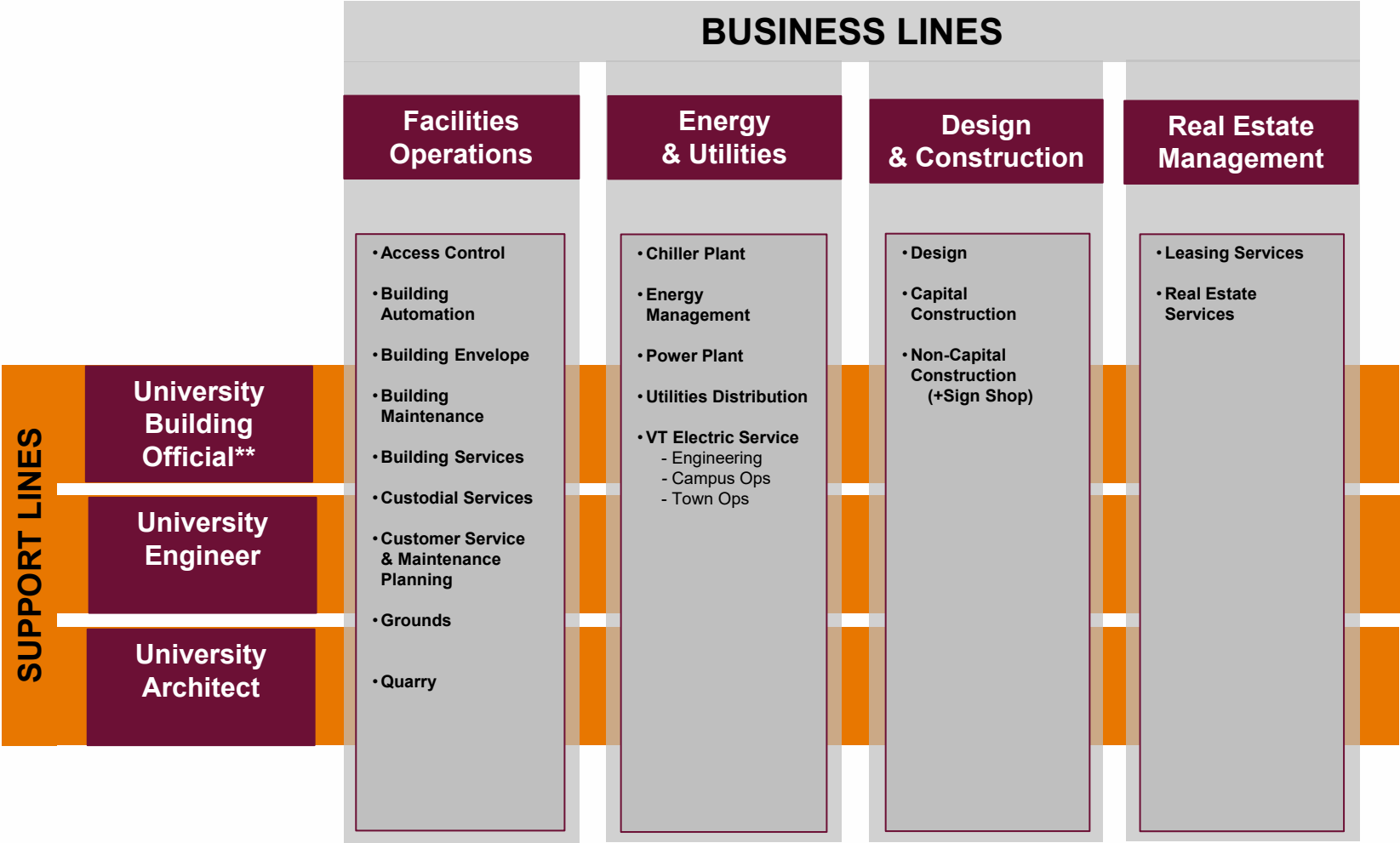
- |                |                    |
|----------------|--------------------|
| • Safety       | • Accessibility    |
| • Reliability  | • Sustainability   |
| • Cost Control | • Customer Service |
| • Inclusivity  | • Sense of Place   |



## TACTICAL DRIVERS

- |                         |                   |
|-------------------------|-------------------|
| • Utility Systems       | • Code Compliance |
| • Envelope & Foundation | • Space Refresh   |
| • Building Systems      |                   |

# FACILITIES DIVISIONAL UNITS



**\*\*Note:** University Building Official derives authority from and reports to the Board of Visitors

# CARE & SERVE

As members of the Facilities Team, we're charged with the stewardship of our campus -- the buildings, grounds and infrastructure -- in Blacksburg and across the university's footprint throughout the Commonwealth. *Stewardship is "the careful and responsible management of something entrusted to one's care."*



## Mission/Vision

To deliver, operate, maintain, and sustain the highest quality facilities, grounds, and infrastructure to ensure Virginia Tech can fulfill its mission and offer the best possible environment for all who live, work, and visit within the university. To be the strongest, most professional and caring team of servants we can.



# Care & Serve

As members of the Facilities Team, we're charged with the stewardship of our campus--the buildings, grounds and infrastructure--in Blacksburg and across the university's footprint throughout the Commonwealth. Stewardship is *"the careful and responsible management of something entrusted to one's care."*

Together, as stewards, let's...

## Care:

- For Each Other – Treat all with dignity and respect. Mentor at every opportunity. Be honest.
- For Our Campus(es) – Strive to sustain the unique beauty and allure of all facilities and grounds.
- For Our Stuff – Treat our gear, equipment, tools and assets as if they were your own.
- For Ourselves – Practice a healthy lifestyle. Maintain work/life balance. Focus on your loved ones.

## Serve:

- The University – Honor by our actions the students, faculty, and staff who are Virginia Tech.
- The Community – Visitors' first impressions only happen once. What we do affects those around us.
- Globally – Our investment in Virginia Tech ultimately touches others around the world.
- With Humility – Servant leadership starts with each one of us regardless of role or station.

## Mission/Vision:

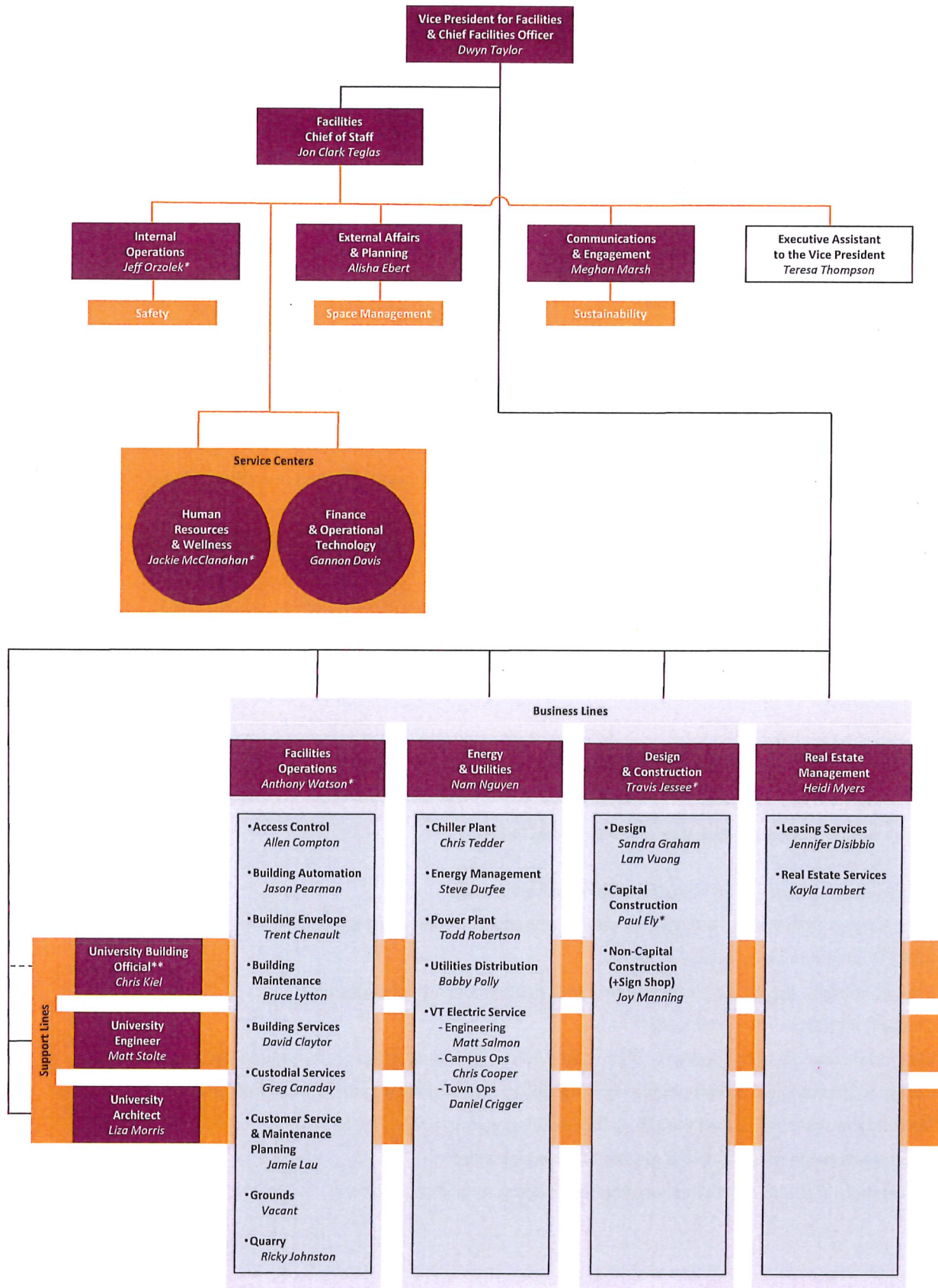
To deliver, operate, maintain and sustain the highest quality facilities, grounds and infrastructure to ensure Virginia Tech can fulfill its mission and offer the best possible environment for all who live, work and visit within the university. To be the strongest, most professional and caring team of servants we can.

I'm honored to serve as your Chief Facilities Officer. I commit to providing the utmost care and focused servant leadership within my capability and to creating an environment that empowers each person to optimize professional growth and opportunity. In turn, I ask each member of the Facilities Team to:

- Always do your best — no matter how demanding the task.
- Care for your teammates — CARE for your teammates. Consistently encourage one another.
- NEVER compromise on quality or safety.
- Always, always, always be professional in your actions and communications.
- Do the right thing — even if it hurts.
- Meet commitments and deadlines. If you can't, inform your leadership chain beforehand.
- Foster an environment where people know it's OK to make mistakes and to learn from them.
- Don't let me drive the bus off the cliff — if something seems wrong, tell me.
- If you see a piece of trash on the ground, please pick it up!
- Remember: If you're not having fun, you're not doing it right! Go Hokies!

Dwyn Taylor  
Ut Prosim





\* Note: Interim Role

\*\*Note: University Building Official derives authority from and reports to the Board of Visitors

## **Overview of the Capital Construction Program**

### **BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

The Committee will receive an overview of the university's capital construction program from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. The Division of Facilities provides leadership in the administration and management of all major capital outlay projects, which are defined as projects with a total project cost of \$3 million or more inclusive of all expenditures necessary to complete the project, and/or projects involving the construction of 5,000 square feet or more. Project managers work closely with sponsoring colleges and departments, future building users, and other project stakeholders to achieve project goals. Following project authorization by the Board of Visitors, project managers coordinate all phases of a project from initiation through completion and close-out.



# OVERVIEW OF THE CAPITAL CONSTRUCTION PROGRAM

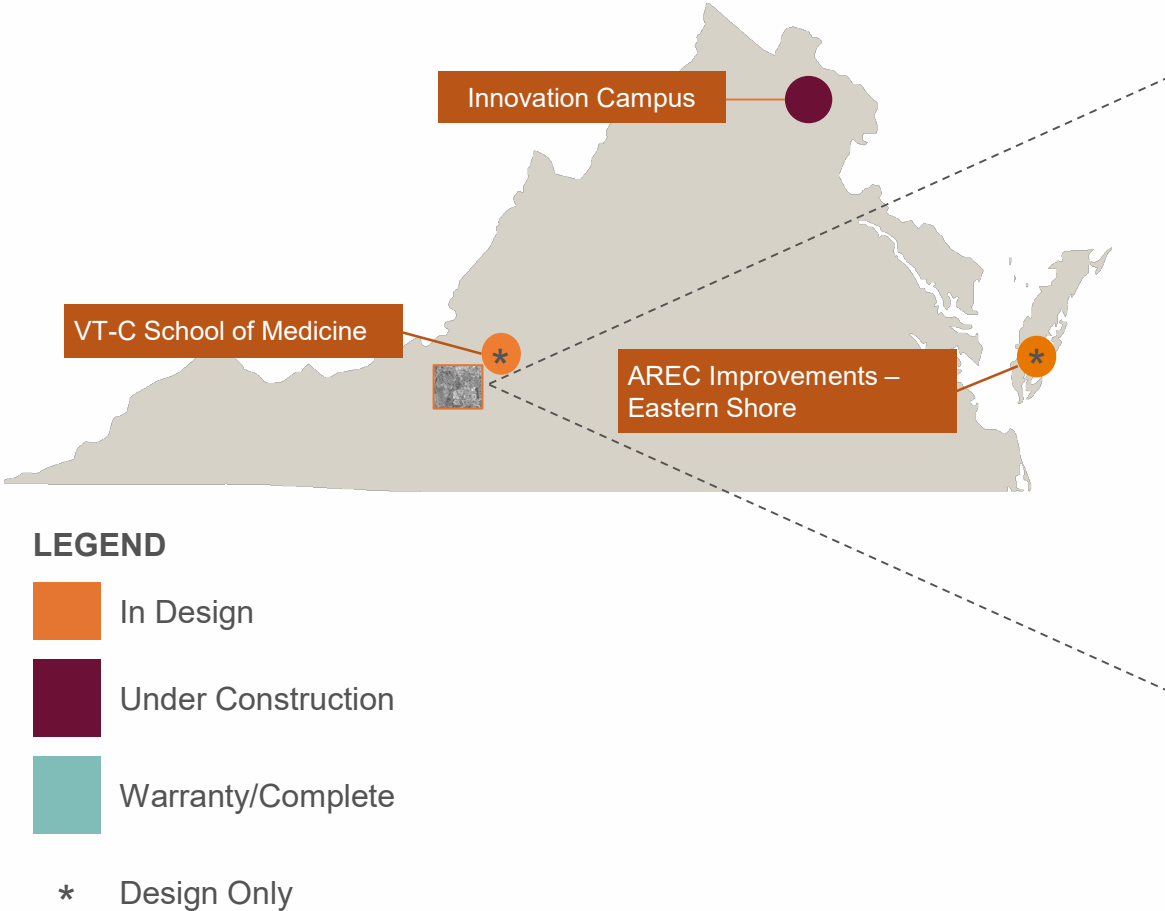
DWYN TAYLOR  
VICE PRESIDENT FOR FACILITIES AND CHIEF FACILITIES OFFICER

**AUGUST 27, 2024**

# PROGRAM

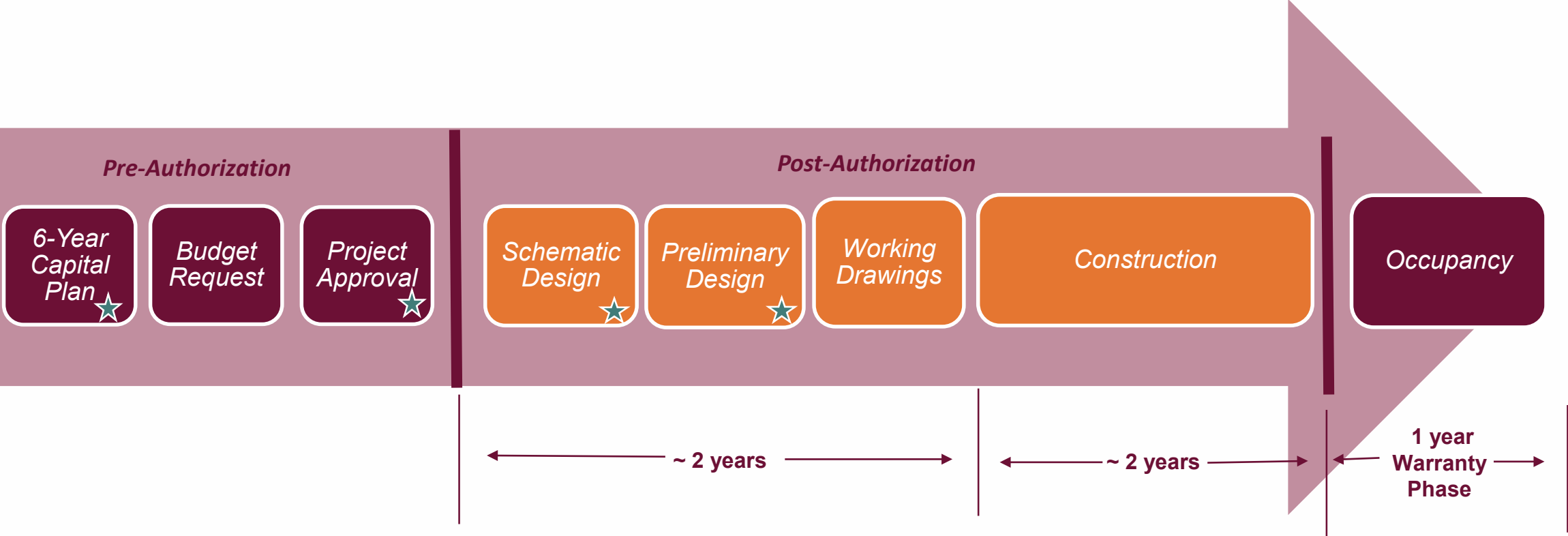
Current Portfolio:

- 19 authorized projects -- active and complete (w/in 1-year warranty phase)
- Total value of ~\$1.0B
- Adds ~1.2M gross square feet (GSF) of new construction
- Renovates nearly 273K GSF of existing space



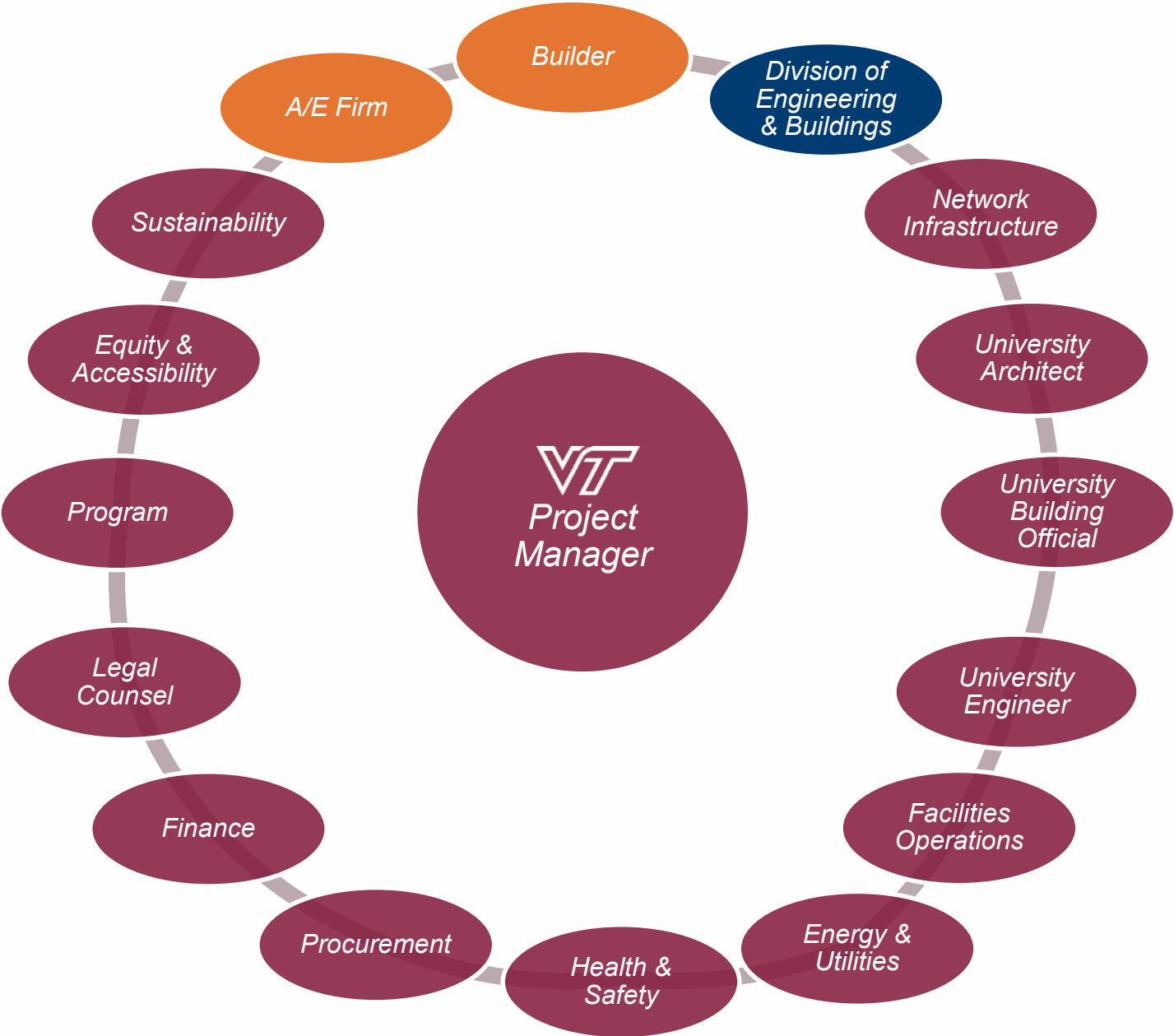
Blacksburg Campus

# OVERALL PROCESS



★ - Buildings and Grounds review & approval

# OUR PROJECT MANAGERS-- THE “HUB”



# ENSURING DESIGN EXCELLENCE



*Control Measures  
at each  
Phase of Design*



*Broad  
Stakeholder Input*



*Emphasize  
Partnership*

*Schematic Design - Preliminary Design - Working Drawings - Market Analysis - Construction Contract Awarded*

# ENSURING CONSTRUCTION EXCELLENCE



***Competitive Sealed Bids  
“Design-Bid-Build”***



***Construction Manager  
at Risk***



***Design - Build***



# CAPITAL CONSTRUCTION EXECUTIVE SUMMARY (PROGRESSIVE)

Date Prepared: 04 Aug 2024

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Corps Leadership & Military Science Building	\$52.0	\$37.91	65,428																	
Slusher Hall Repairs	\$7.5	\$5.60		38,000																
New Upper Quad Residence Hall	\$42.0	\$32.00	56,650																	
HITT Hall	\$85.0	\$65.50	101,000																	
Student Wellness Improvements	\$70.0	\$56.30		204,000																
Football Locker Room Renovations	\$5.9	\$4.10		4,200																
Transit Center (Note 1)	N/A	N/A	13,606																	
Undergraduate Science Laboratory Building	\$90.4	\$69.50	102,746																	
Innovation Campus Academic Building	\$302.1	\$226.30	299,733																	
Life, Health, Safety, Accessibility & Code Compliance (Note 3)	\$10.4	\$8.10																		
Livestock & Poultry Research Facilities (Ph I) -- Various Locations	\$25.3	\$18.23	129,100																	
Building Envelope Improvements (Note 2)	\$47.2	\$41.90																		
Mitchell Hall (Note 4)	\$292.3	\$229.30	285,500																	
New Business Building (Planning -- Design Only)	\$8.0	TBD	104,000																	
Student Life Village - Phase I (Planning -- Design Only)	\$19.5	TBD	TBD																	
Improve Center Woods Complex	\$14.7	\$9.75	25,900																	
Feasibility Study: Heat Indoor Practice Facility (Note 6)	\$0.09	TBD																		
VTC School of Medicine (Planning -- Design Only)	\$9.0	TBD	100,000	51,000																
Renovate Derring Hall Building Envelope (Planning -- Design Only)	\$16.8	TBD	100,000	51,000																
Improve Campus Accessibility (Planning -- Design Only)	\$8.0	TBD																		
AREC Improvements - Eastern Shore (Planning - Design Only)	\$15.7	TBD	25,000	14,000																
TOTALS	\$1,020.39		1,186,585	273,200																

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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- NOTE 1 Non-Virginia Tech project
- NOTE 2 Building Envelope Improvements includes four (4) phases: (1) Lane Stadium (Scheduled to complete in summer 2024) followed by (2) Torgerson, (3) Hahn, and (4) Inn at Virginia Tech which are currently unscheduled
- NOTE 3 Life, Health, Safety Acc. & Code Compliance includes three (3) phases: (1) Derring Steps Elevator Towers (scheduled to complete in June 2024) followed by Green Link Priorities 2 (currently underway) & 3 (currently in design)
- NOTE 4 Multiple GMPs results in design/construction overlap (fast track)



# PLANNING: IMPROVE CENTER WOODS COMPLEX

Design-Bid-Build – State Authorized



### Status

- Schematic Design underway

### Next Actions

- Continue design efforts

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
							Summer	Academic Yr 24-25		Summer	Academic Yr 25-26		Summer	Academic Yr 26-27		Summer			Summer	
Improve Center Woods Complex (Planning – Design Only)	\$846K	TBD	TBD																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: TBD

Builder: TBD

# INNOVATION CAMPUS – ACADEMIC BUILDING

CM at Risk – State Authorized

Status

- Construction 82% complete



Next Actions

- Anticipated completion late fall 2024/early 2025



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Innovation Campus Academic Building	\$302.1	\$226.3	299,733																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Smith Group

Builder: Whiting-Turner

## **Acceptance of the Quarterly Capital Project Status Report**

### **BUILDINGS AND GROUNDS COMMITTEE**

**Tuesday, August 27, 2024**

The Committee will review for acceptance the quarterly capital project status report from Dwyn Taylor, Vice President for Facilities and Chief Facilities Officer. The current active portfolio of projects includes 19 authorized projects – active and complete (within a 1-year warranty phase) – with a total value of approximately \$1 billion, adds approximately 1.2 million gross square feet of new construction, and renovates nearly 273,000 gross square feet of existing space.

The university recommends acceptance of the Capital Project Status Report and that reports in November 2024, March 2025, and June 2025 be included on the Committee's consent agenda.





# CAPITAL PROJECT STATUS REPORT

PREPARED FOR THE BUILDINGS AND GROUNDS COMMITTEE OF THE BOARD OF VISITORS

August 27, 2024

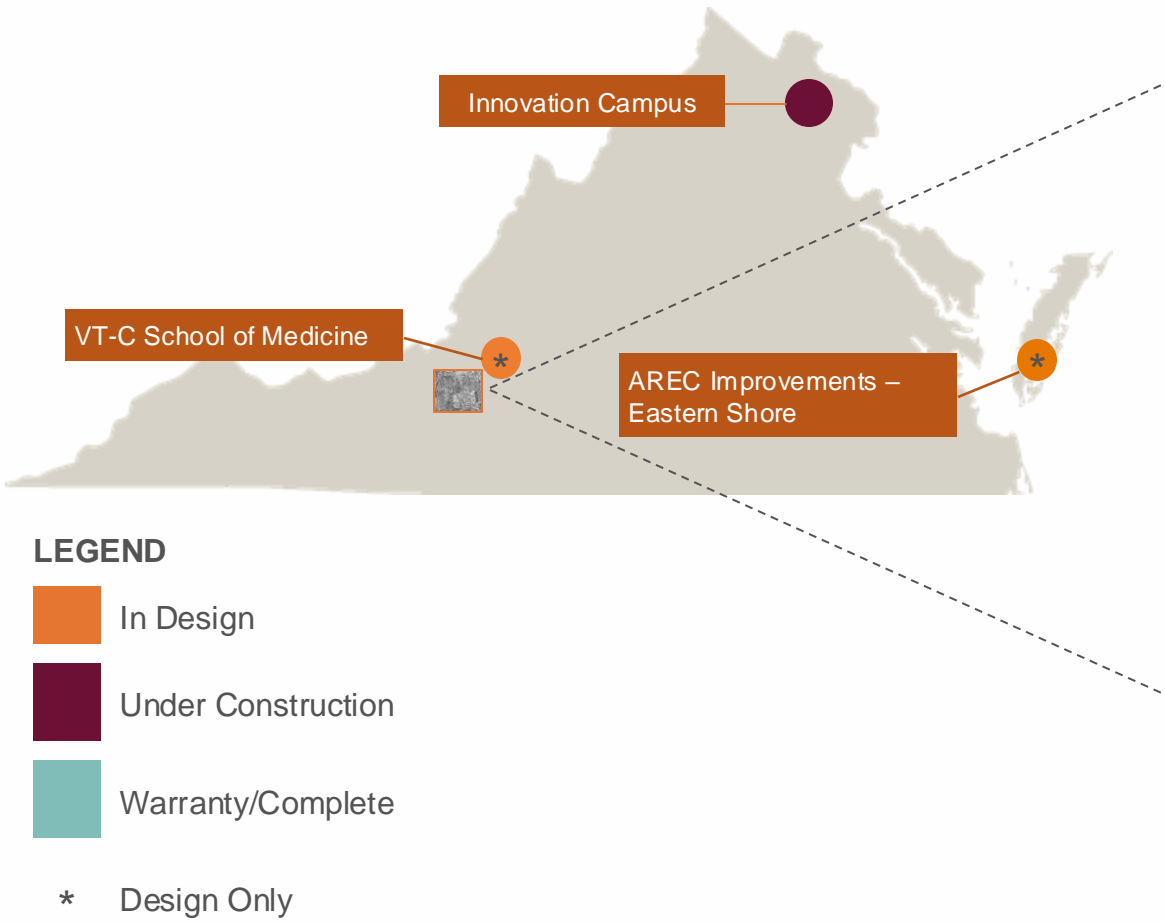
# CAPITAL PROJECT PORTFOLIO

- 19 authorized projects -- active and complete (w/in 1-year warranty phase)
- Total value of ~\$1.0B
- Generates ~1.2M gross square feet (GSF) of new construction
- Renovates nearly 273K GSF of existing space









# CAPITAL PROJECT PORTFOLIO



LEGEND

-  In Design
-  Under Construction
-  Warranty/Complete
-  Design Only



Blacksburg Campus

# CAPITAL CONSTRUCTION EXECUTIVE SUMMARY (PROGRESSIVE)

Date Prepared: 04 Aug 2024

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
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Improve Center Woods Complex	\$14.7	\$9.75	25,900																	
Feasibility Study: Heat Indoor Practice Facility (Note 6)	\$0.09	TBD																		
VTC School of Medicine (Planning -- Design Only)	\$9.0	TBD	100,000	51,000																
Renovate Derring Hall Building Envelope (Planning -- Design Only)	\$16.8	TBD	100,000	51,000																
Improve Campus Accessibility (Planning -- Design Only)	\$8.0	TBD																		
AREC Improvements - Eastern Shore (Planning - Design Only)	\$15.7	TBD	25,000	14,000																
TOTALS	\$1,020.39		1,186,585	273,200																

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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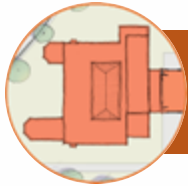
- NOTE 1 Non-Virginia Tech project
- NOTE 2 Building Envelope Improvements includes four (4) phases: (1) Lane Stadium (Scheduled to complete in summer 2024) followed by (2) Torgerson, (3) Hahn, and (4) Inn at Virginia Tech which are currently unscheduled
- NOTE 3 Life, Health, Safety Acc. & Code Compliance includes three (3) phases: (1) Derring Steps Elevator Towers (scheduled to complete in June 2024) followed by Green Link Priorities 2 (currently underway) & 3 (currently in design)
- NOTE 4 Multiple GMPs results in design/construction overlap (fast track)





**IN DESIGN**

# PROJECTS IN DESIGN



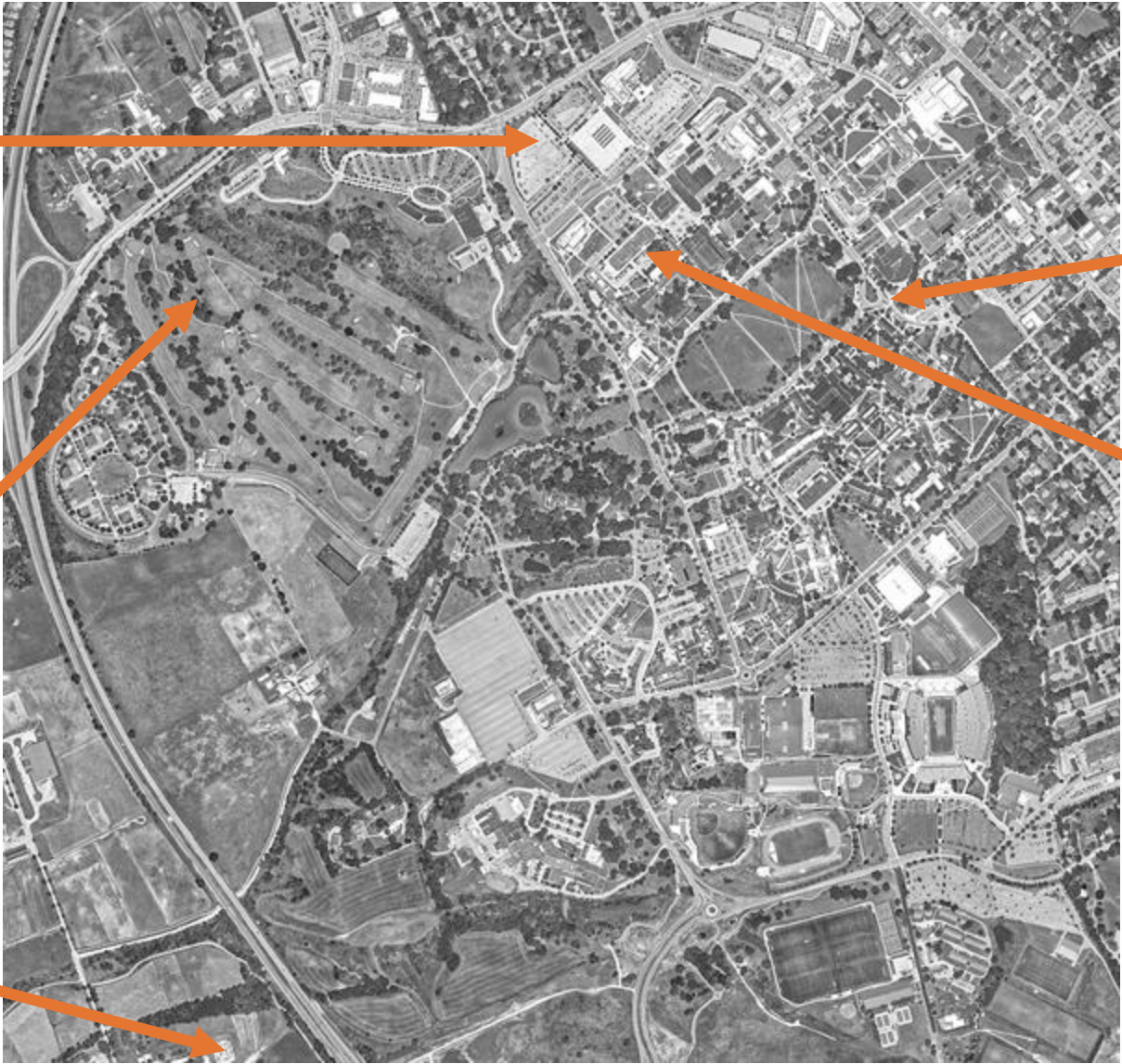
New Business Building\*



Student Life Village –  
Phase I\*



Improve Center Woods  
Complex\*



Improve Campus  
Accessibility\*



Renovate Derring Hall  
Building Envelope\*



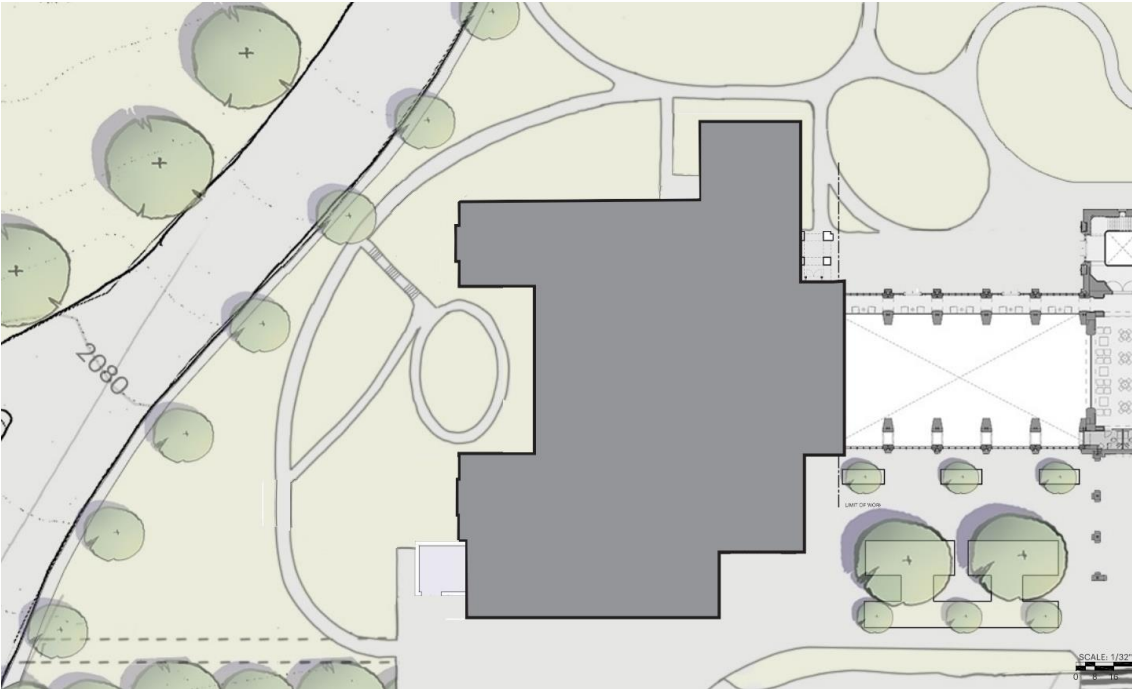
Virginia Tech-Carilion  
School of Medicine  
Expansion\*  
*(Roanoke, VA)*



AREC Improvements –  
Eastern Shore\*  
*(Painter, VA)*

# PLANNING: NEW BUSINESS BUILDING

CM at Risk – BOV Authorized



### Status

- ▶ Preliminary Design underway
- ▶ CMaR pre-construction services contract underway

### Next Actions

- ▶ Targeting BOV Construction Authorization in fall 2024

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
New Business Building (Planning – Design Only)	\$8.0	TBD	92,295																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Moseley

Builder: Kjellstrom & Lee



# PLANNING: STUDENT LIFE VILLAGE – PHASE 1

CM at Risk – BOV Authorized



### Status

- ▶ Schematic Design underway
- ▶ CMaR in preconstruction services contract underway

### Next Actions

- ▶ Continue design efforts

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Student Life Village – Phase I (Planning – Design Only)	\$19.5	TBD	TBD																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Little/Boudreaux

Builder: Clark

# PLANNING: IMPROVE CENTER WOODS COMPLEX

Design-Bid-Build – State Authorized



### Status

- Schematic Design underway

### Next Actions

- Continue design efforts

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Improve Center Woods Complex (Planning – Design Only)	\$846K	TBD	TBD																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: WPA

Builder: TBD

# PLANNING: VIRGINIA TECH-CARILION SCHOOL OF MEDICINE EXPANSION

CM at Risk – State Authorized



### Status

- Procurement of A/E for design services underway

### Next Actions

- Finalize procurement of A/E and begin initial design
- Procure CMaR preconstruction services contract

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
							Summer	Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer		
Virginia Tech-Carilion School of Medicine Expansion ( <i>Planning – Design Only</i> )	\$9.0	TBD	TBD																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: VMDO

Builder: TBD



# PLANNING: RENOVATE DERRING HALL BUILDING ENVELOPE

Design-Bid-Build – State Authorized



### Status

- Design proposal underway

### Next Actions

- Finalize procurement of design services contract

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Renovate Derring Hall Building Envelope (Planning – Design Only)	\$16.8	TBD																		

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: TBD

Builder: TBD



# PLANNING: IMPROVE CAMPUS ACCESSIBILITY

Design-Bid-Build – State Authorized



Status

- Design proposal underway

Next Actions

- Finalize procurement of design services contract

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
							Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer	
Improve Campus Accessibility (Planning – Design Only)	\$8.0	TBD																		

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: TBD

Builder: TBD

# PLANNING: AREC IMPROVEMENTS – EASTERN SHORE

Design-Bid-Build – State Authorized



Status

- Design RFP advertised

Next Actions

- Finalize procurement of design services contract

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
AREC Improvements – Eastern Shore (Planning – Design Only)	\$15.7	TBD	25,000	14,000																

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: TBD

Builder: TBD





**UNDER CONSTRUCTION**



# ACTIVE CONSTRUCTION PROJECTS



Transit Center  
*(ToB project)*



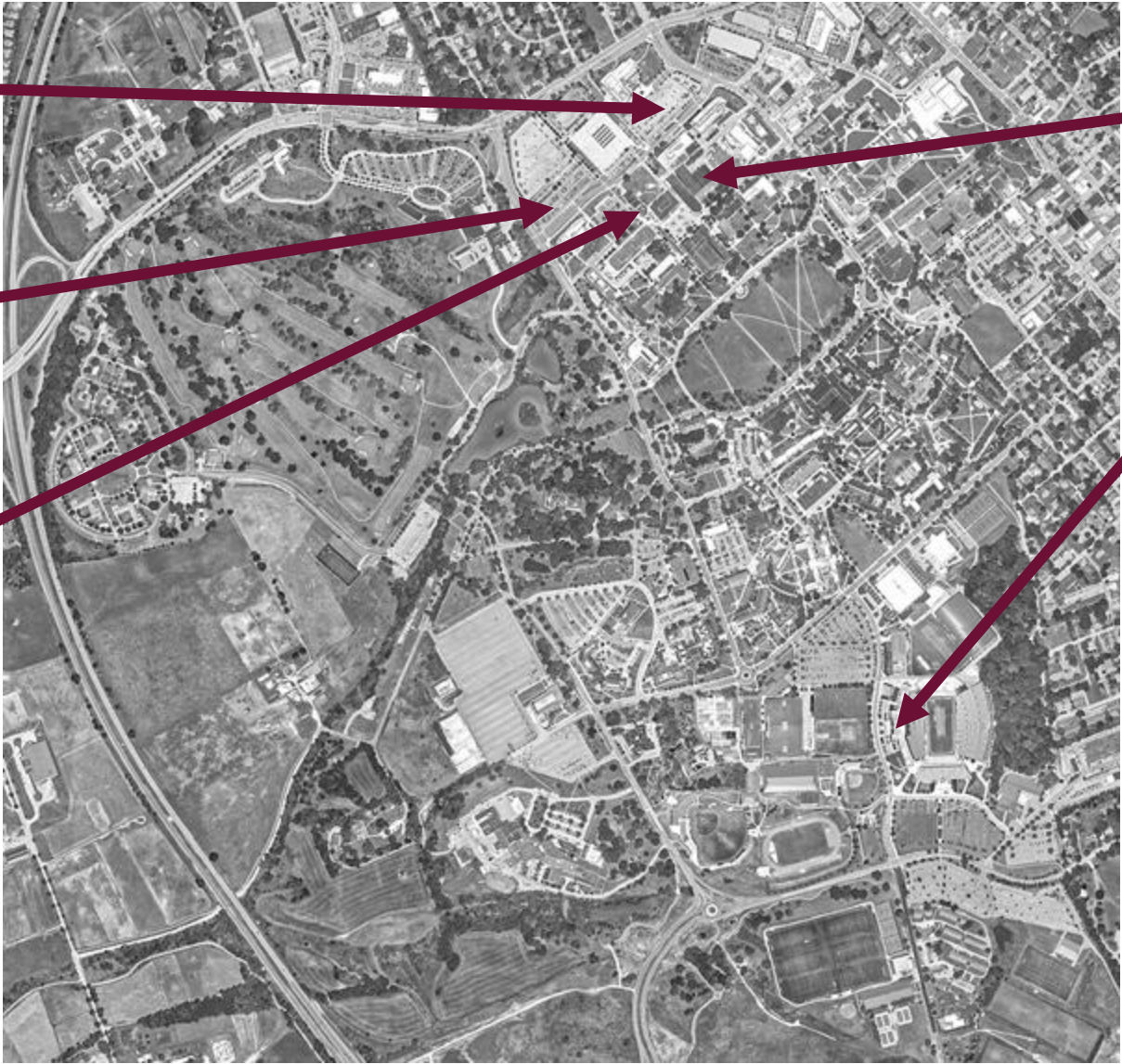
Undergraduate Science  
Laboratory Building



Life, Health, Safety,  
Accessibility, & Code  
Compliance



Livestock & Poultry  
Research Facilities –  
Phase I  
*(Various Locations)*



Mitchell Hall



Building Envelope  
Improvements



Innovation Campus  
Academic Building  
*(Alexandria, VA)*

# UNDERGRADUATE SCIENCE LABORATORY BUILDING

CM at Risk – State Authorized

### Status

- Construction 90% complete



### Next Actions

- Complete construction and begin project close-out



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
							Summer	Academic Yr 24-25		Summer	Academic Yr 25-26		Summer	Academic Yr 26-27		Summer				
Undergraduate Science Laboratory Building	\$90.4	\$69.5	102,746																	

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: ZGF

Builder: Skanska



# INNOVATION CAMPUS – ACADEMIC BUILDING

CM at Risk – State Authorized

### Status

- ▶ Construction 86% complete



### Next Actions

- ▶ Anticipated completion late fall 2024/early 2025



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Innovation Campus Academic Building	\$302.1	\$226.3	299,733																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: SmithGroup

Builder: Whiting-Turner



# LIFE, HEALTH, SAFETY, ACCESSIBILITY, & CODE COMPLIANCE

Design-Bid-Build – State Authorized



## Status

- ▶ Multi-phase execution
- ▶ Priority 1 Derring Exterior Elevators construction (Complete)
- ▶ Priority 2 Green Link construction underway (30% complete)
- ▶ Priority 3 Green Link under design

## Next Actions

- ▶ Complete Priority 1 close-out
- ▶ Continue Priority 2 construction
- ▶ Finalize Priority 3 design and develop IFB

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Life, Health, Safety, Accessibility & Code Compliance	\$10.4	\$8.1																		

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Various

Builder: Various

# LIVESTOCK & POULTRY RESEARCH FACILITIES – PHASE I (BID PACKAGE 5)

Design-Bid-Build – State Authorized

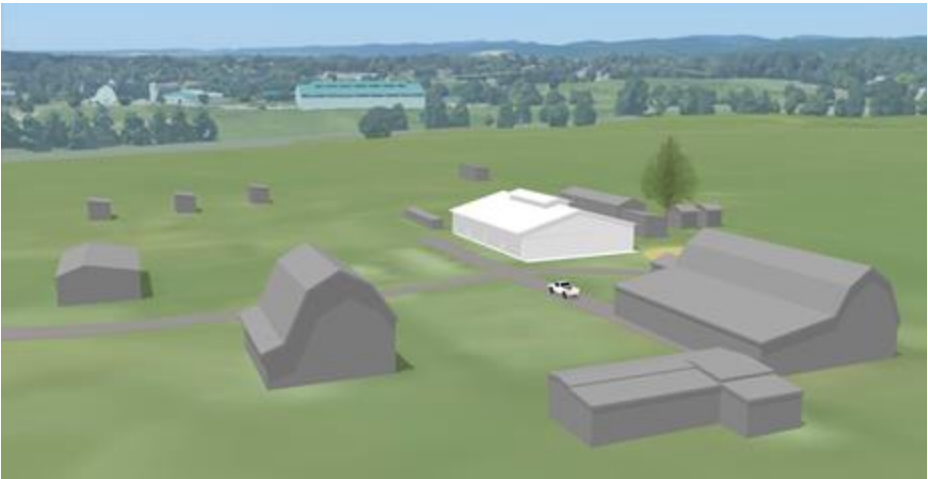
### Status

- ▶ Bid package #5: Two of three barns under construction (25% complete)



### Next Actions

- ▶ Complete 3 barns in sequence



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Livestock & Poultry Research Facilities – Phase I – Various Locations	\$25.3	\$18.2	129,100																	

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: Spectrum Design

Builder: Various

# BUILDING ENVELOPE IMPROVEMENTS

Design-Bid-Build – BOV Authorized

### Status

- ▶ Envelope improvements planned for four buildings
- ▶ Construction on first building complete



### Next Actions

- ▶ Complete Lane Stadium project close-out
- ▶ Issue IFB for next building (Torgersen Hall)



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Building Envelope Improvements	\$47.2	\$41.9																		

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: WJE

Builder: Carolina Restoration



# MITCHELL HALL

## CM at Risk – State Authorized

### Status

- ▶ GMP-1 (demolition & early site package) underway
- ▶ GMP-2 (building construction) in development



### Next Actions

- ▶ Demolish Randolph Hall
- ▶ Finalize GMP-2 and issue permits for construction (Fall 2024)



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Mitchell Hall	\$292.3	\$229.3	285,500																	

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: Perkins & Will

Builder: Skanska

# TRANSIT CENTER

Design-Bid-Build – Town of Blacksburg (ToB)

## Status

- ▶ Construction 95% complete
- ▶ Bus loops operational



## Next Actions

- ▶ Anticipated Transit Center building completion fall 2024



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec	Q3 Jan - Mar	Q4 Apr - Jun	Q1 Jul - Sep	Q2 Oct - Dec
							Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer	
Transit Center	N/A	N/A	13,606																	

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: Wendel (ToB Contract)

Builder: WM Schlosser (ToB Contract)





## PROJECTS UNDER WARRANTY



# PROJECTS UNDER WARRANTY



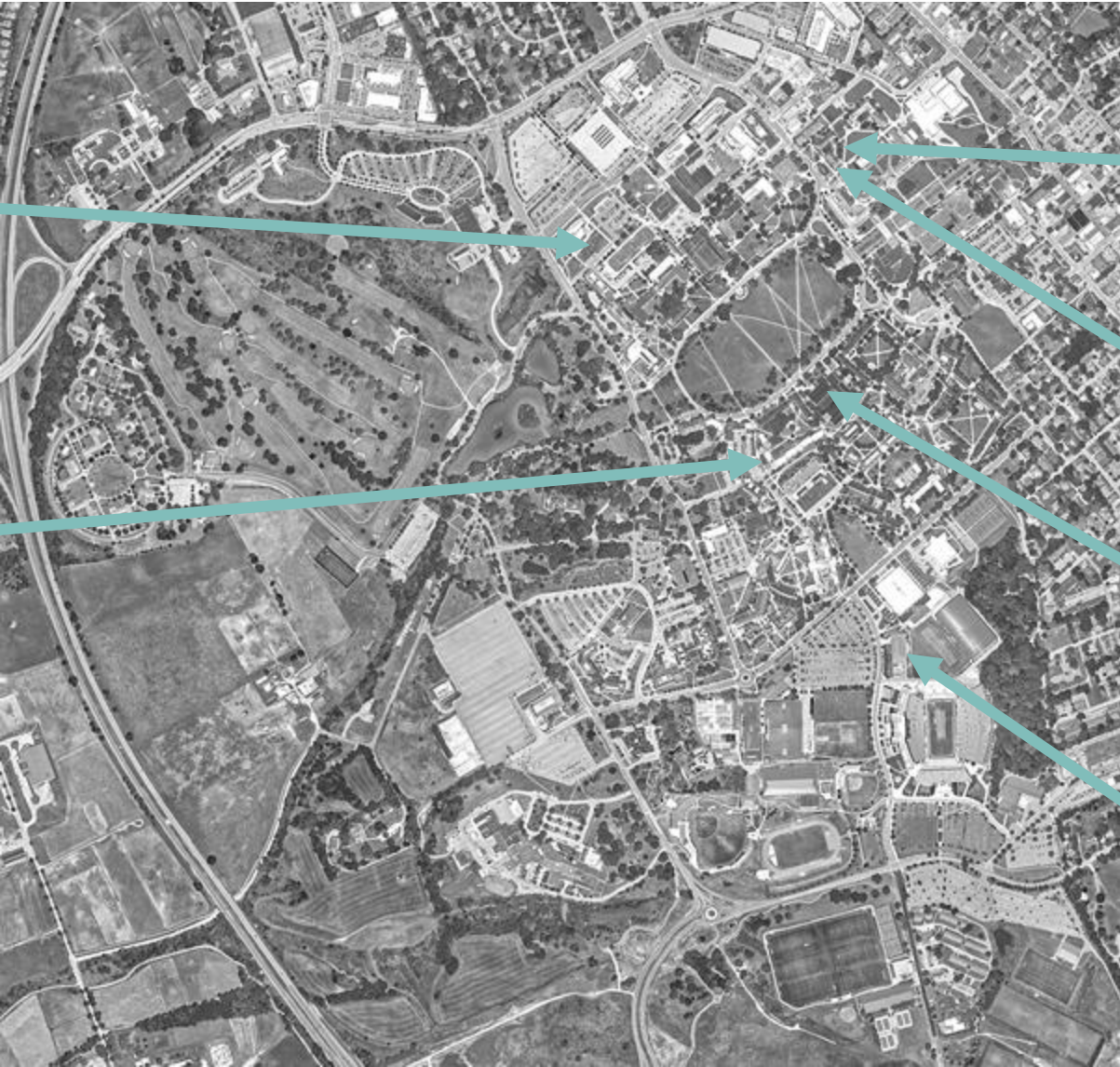
HITT Hall



Slusher Hall Repairs



Livestock & Poultry  
Research Facilities –  
Phase I  
*(Various Locations)*



Corps Leadership &  
Military Science Building



New Upper Quad  
Residence Hall



Student Wellness  
Improvements



Football Locker Room  
Renovation



# CORPS LEADERSHIP & MILITARY SCIENCE BUILDING

CM at Risk – BOV Authorized

COMPLETE

Status

- ▶ Project complete



Next Actions

- ▶ Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Corps Leadership & Military Science Building	\$52.0	\$37.91	65,428																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Clark-Nexen

Builder: Vannoy



# SLUSHER HALL REPAIRS

Emergency – BOV Authorized  
COMPLETE

Status

- ▶ Project complete



Next Actions

- ▶ Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Slusher Hall Repairs	\$7.5	\$5.6		38,000																

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Gresham Smith

Builder: Kesler

# NEW UPPER QUAD RESIDENCE HALL

CM at Risk – BOV Authorized

COMPLETE

Status

- Project complete



Next Actions

- Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
New Upper Quad Residence Hall	\$42.0	\$32.0	56,650																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Clark-Nexen

Builder: Vannoy



# LIVESTOCK & POULTRY RESEARCH FACILITIES – PHASE I (BID PACKAGES 1-4)

Design-Bid-Build – State Authorized  
**COMPLETE**



### Status

- Construction complete on bid packages 1 - 4



### Next Actions

- Close out of bid packages 1 - 4

Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Livestock & Poultry Research Facilities Phase 1 – Various Locations	\$25.3	18.2	129,100																	

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: Spectrum Design

Builder: Various

HITT HALL

CM at Risk – BOV Authorized

COMPLETE

Status

- ▶ Project complete



Next Actions

- ▶ Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
HITT Hall	\$85.0	\$65.5	101,000																	

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: Cooper Cary

Builder: WM Jordan

# STUDENT WELLNESS IMPROVEMENTS

CM at Risk – BOV Authorized

COMPLETE

Status

- ▶ Project complete



Next Actions

- ▶ Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
					Summer		Academic Yr 24-25		Summer		Academic Yr 25-26		Summer		Academic Yr 26-27		Summer			
Student Wellness Improvements	\$70.0	\$56.3		204,000																

LEGEND

Design

Construction

Warranty

Construction Phase TBD

Designer: Cannon Design

Builder: Whiting-Turner



# FOOTBALL LOCKER ROOM RENOVATION

Design-Bid-Build – BOV Authorized

COMPLETE

Status

- ▶ Project complete



Next Actions

- ▶ Close out project



Project Title	Total Project Budget (\$M)	Construction Cost (\$M)	New Const (GSF)	Renovation (GSF)	CY 2024				CY 2025				CY 2026				CY 2027			
					Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
					Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
							Summer	Academic Yr 24-25		Summer	Academic Yr 25-26		Summer	Academic Yr 26-27		Summer				
Football Locker Room Renovation	\$5.9	\$4.1		4,200																

LEGEND	Design	Construction	Warranty	Construction Phase TBD
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Designer: HNTB

Builder: Thor



# DEFINITIONS

## AUTHORIZATION:

- ▶ **State Authorized:** Authorized and funded (whole or in part) by the Virginia General Assembly
- ▶ **BOV Authorized:** Authorized and funded by the Virginia Tech Board of Visitors

## DELIVERY METHODS:

- ▶ **Schematic Design Phase** = 0% to approximately 20% design complete
  - ▶ **Preliminary Design Phase** = Approximately 20% to approximately 50% design complete
  - ▶ **Working Drawing Phase** = Approximately 50% to 100% design complete
- 
- ▶ **GMP** = Guaranteed Maximum Price

# CONSTRUCTION METHODS

## DESIGN-BID-BUILD (DBB):

- ▶ A/E completes full design
- ▶ Invitation For Bid (IFB) issued
- ▶ Contract awarded to lowest bidder

## CONSTRUCTION MANAGER AT RISK (CMaR):

- ▶ A/E completes full design
- ▶ Prospective CMaR's compete for project during early stage of design
- ▶ CMaR selected based upon "best value" during Schematic Design phase
- ▶ When final designs are complete CMaR develops Guaranteed Maximum Price (GMP)

## DESIGN-BUILD(D/B):

- ▶ A/E completes partial design ("criteria docs")
- ▶ D/B team (builder + A/E) compete for project and propose full price for project delivery
- ▶ Selection based upon "best value"
- ▶ D/B team completes design and executes construction.

## Open Joint Session Agenda

### FINANCE AND RESOURCE MANAGEMENT COMMITTEE AND BUILDINGS AND GROUNDS COMMITTEE

Latham Ballroom A/B, the Inn at Virginia Tech

11:00 a.m.

August 28, 2024

<u>Agenda Item</u>	<u>Reporting Responsibility</u>
1. Update on Expanding the Research Vivarium Space Project	Simon Allen Dwyn Taylor Rob Mann
* 2. Approval of Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion	Simon Allen Dwyn Taylor Rob Mann

\* Requires full Board approval

# Discusses Enterprise Risk Management topic(s)

+ Discusses Strategic Investment Priorities topic(s)

# Update on Expanding the Research Vivarium Space Project

**ROB MANN**

**Assistant Vice President for Capital Budgeting and Financing**

**AUGUST 28, 2024**



# Update on Expanding the Research Vivarium Space Project

The university plans to partner with the Virginia Tech Foundation and Corporate Research Center to design and construct a new Research Vivarium



Included in the Six-year Capital Outlay Plan



Aligns with the university's Global Distinction priority on the Strategic Plan



And provides the most cost-efficient and timely solution for the research program



# Update on Expanding the Research Vivarium Space Project

## Location:

- Corporate Research Center

## Scope: 68,000 GSF

- Primarily research vivarium and laboratories,
- Also includes faculty and staff offices and other support spaces

## Budget: \$45 million

- Funding Plan: Nongeneral funds serviced by university overhead
- Break-even long-term lease arrangement with the VT Foundation



Corporate Research Center (CRC)

# Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion

ROB MANN

Assistant Vice President for Capital Budgeting and Financing

AUGUST 28, 2024





# Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion

The Campus Master Plan, Six-Year Capital Outlay Plan, and University Debt Report include a capital project to renovate and expand the College of Veterinary Medicine Teaching Hospital.



Veterinary Teaching Hospital Expansion Rendering (from Feasibility Study)



# Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion

- Scope: envisioned as an approximately 57,000 GSF total project
  - 25,000 GSF renovation of existing spaces
  - 32,000 GSF addition to CVM Hospital
- Target total project budget: \$43 million
- Requesting a \$4.3 million planning authorization to complete designs through working drawings for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion project.
- Nongeneral funds including CVM hospital revenues, university overhead, private gifts, and debt serviced by these resources.



# Resolution for a Capital Planning Project for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion

**NOW, THEREFORE, BE IT RESOLVED**, that the university be authorized to move forward with a \$4.3 million planning authorization to complete designs through working drawings for the College of Veterinary Medicine Teaching Hospital Renovation and Expansion project.

## **Recommendation**

That the resolution authorizing Virginia Tech to plan the College of Veterinary Medicine Teaching Hospital Renovation and Expansion project be approved.

August 28, 2024